PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete ii Talowii			
Application Number	10/575,754		
Filing Date	April 13, 2006		
First Named Inventor	Subramanyam et al.		
Art Unit			
Examiner Name			

Attorney Docket Number UVD 0323 PA/40815.531

Sheet of 1 U. S. PATENT DOCUMENTS Cite Publication Date MM-DD-YYYY Name of Patentee or Pages, Columns, Lines, Where Document Number No Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code<sup>2 (Flacent)</sup> Figures Appear US- 2002/0163408 A1 /TD 11/07/2002 us. US-US-119. US 116 LIS US-US-US-US-

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	als* No.1		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevent Figures Appear	⊤¢
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
/TD		WO 01/15260 A1	03/01/2001			
/TD/		WO 05/043669 A1	05/12/2005			

Examiner Signature	/Thomas Dickey/	Date Considered	04/20/2009

"EXMINER Initial if reference considered, whether or not claison is in conformance with MPEP 668. Draw line through claison if not in conformance and not considered, linduide copy of this form with next communication to applicant. Applicant's unique claison designation number (optiona). See Kinds Codes of USPTO Patent Downwards at www.usepto.gog or MPEP 9010 A. \*\*Enter Office that is assued the document, by the two-lefts code (MPD Standard 51.3). \*For Initial Initia See Kinds Codes of Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTC/SB/08B (07-05) Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Application Number 10/557,754 INFORMATION DISCLOSURE Filing Date April 13, 2006 STATEMENT BY APPLICANT First Named Inventor Subramanyam et al. Art Unit (Use as many sheets as necessary) Examiner Name Attorney Docket Number Sheet 1 UVD 0323 PA/40815.531 1 of

Examiner Cite Initials* No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
/TD/		JEREMY B. MULDAVIN & GABRIEL M. REBEIZ, High Isolation CPW MEMS Shunt Switches Part 1: Modeling, IEEE Transactions on Microwave Theory and Techniques, December, 1999		
/TD/		GABRIEL M. REBIEZ & JEREMY B. MULDAVIN, RF MEMS Switches and Switch Circuits, IEEE Microwave Magazine, December 2001		
/TD/		D. KUYLENSTIERNA, A. VOROBIEV, G. SUBRAMANYAM AND S. GEVORGIAN, Tunable Electromagnetic Bandgap Structures Based on Ferroelectric films, IEEE, 2003		
/TD/		D. KUYLENSTIERNA, G. SUBRAMANYAM, A. VOROBIEV, A. VOROBIEV AND S. GEVORGIAN, Tunable Electromagnetic Bandgap Performance of Coplanar		
/TD/		Waveguides Periodically Loaded by Ferroelectric Varactors, Microwave and Optical Technology Letters, Vol 39, No. 2, October 20, 2003		
/TD/		D. KUYLENSTIERNA, G. SUBRAMANYAM, A. VOROBIEV, A. VOROBIEV AND S. GEVORGIAN, Tuneable Electromagnetic Bandgap Structures Based on Ba0.25Sr0.75Ti03		
/TD/		Parallel-Plate Varactors on Silicon Coplanar Waveguides, 33rd European Microwave Conference - Munich 20003		
/TD/		FARUQUE AHAMED AND GURU SUBRAMANYAM, Design of SI MMIC Compatible Ferroelectric Varactor Shunt Switch For Microwave Applications		

Examiner Signature	/Thomas Dickey/	Date Considered	04/20/2009

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (potional) 2 Applicant is to place a check mark here if English tanguage Translation is attached.
This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confiderability is governed by 35 U.S. C. 12 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chell Romainson Officer, U.S. Patent and Trademark Office, P.O. Dox 1450, Mexandris, VA 2331-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS RODRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.